

Order 12405

4 Feb



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
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007876

D139-799-015
Job Sheet 188537



Part No: D139-799-015

Job Qty: 1 pcs

Part Name: Engine Wash



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 1/10/19

Job Tracking No:

Due Date: 2/1/19

Created By: Marie Lajeunesse

Type: SOLD

Description:

Note: IIN-D139-799 REV.O IPP Rev:B 11.07.04 new issue DD verf:JLM IPP REV:B AS PER ECN 11-598 11-06-05
JLM VERF BY:DD IPP Rev:C 11.09.27 PER CHG003 DD verf:EC IPP Rev:D 13.09.24 PER CHG005/ECN13-
579 DD verf:JLM IPP REV:E 16.10.13 AS PER IIN REV.L DD VERF:JLM

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup	Run	Workcenter / Supplier	Lead Time	
					Hrs	Hrs			
110	Packaging 1 - Pick Kit	1 pcs	2/1/19		0.00	0.00	Packaging 1 - 1		
							Packaging 1 - 2		
							Packaging 1 - 3		
							Packaging 1 - 4		
							Packaging 1 - 5		
							Packaging 1 - 6		
							Packaging 1 - 7		
							Packaging 1 - 8		
							Packaging 1 - 9		
							Packaging 1 - 10		
							Packaging 1 - 11		
							Packaging 1 - 12		
							Packaging 1 - 13		
							Packaging 1 - 14		
							Packaging 1 - 15		
							Packaging 1 - 16		
							Packaging 1 - 17		
							Packaging 1 - 18		
							Packaging 1 - 19		
							Packaging 1 - 20		
							Packaging 1 - 21		
							Packaging 1 - 22		
							Packaging 1 - 23		
							Packaging 1 - 24		
							Packaging 1 - 25		
							Packaging 1 - 26		
							Packaging 1 - 27		
							Packaging 1 - 28		
							Packaging 1 - 29		
							Packaging 1 - 30		

					Packaging 1 - 31	
					Packaging 1 - 32	
					Packaging 1 - 33	
					Packaging 1 - 34	
					Packaging 1 - 35	
					Packaging 1 - 36	
120	QC 4	1 pcs	2/1/19	0.00 0.00	QC 4 - 26	
					QC 4 - 28	
					QC 4 - 38	
					QC 4 - 42	
					QC 4 - 58	
					QC 4 - 6	
					QC 4 - 69	
					QC 4 - 9	
					QC 4 - 46	
130	Packaging 3-1 - Stock - B4B	1 pcs	2/1/19	0.00 0.00	Packaging 3 - 1 - B4B	
					Packaging 3 - 2 - B4B	
					Packaging 3 - 3 - B4B	
					Packaging 3 - 4 - B4B	
					Packaging 3 - 5 - B4B	
					Packaging 3 - 6 - B4B	
					Packaging 3 - 7 - B4B	
					Packaging 3 - 8 - B4B	
					Packaging 3 - 9 - B4B	
					Packaging 3 - 10 - B4B	
					Packaging 3 - 11 - B4B	
					Packaging 3 - 12 - B4B	
					Packaging 3 - 13 - B4B	
					Packaging 3 - 14 - B4B	
					Packaging 3 - 15 - B4B	
					Packaging 3 - 16 - B4B	
					Packaging 3 - 17 - B4B	
					Packaging 3 - 18 - B4B	
					Packaging 3 - 19 - B4B	
					Packaging 3 - 20 - B4B	
					Packaging 3 - 21 - B4B	
					Packaging 3 - 22 - B4B	
					Packaging 3 - 23 - B4B	
					Packaging 3 - 24 - B4B	
					Packaging 3 - 25 - B4B	
					Packaging 3 - 26 - B4B	
					Packaging 3 - 27 - B4B	
					Packaging 3 - 28 - B4B	
					Packaging 3 - 29 - B4B	
					Packaging 3 - 30 - B4B	
					Packaging 3 - 31 - B4B	
					Packaging 3 - 32 - B4B	
					Packaging 3 - 33 - B4B	
					Packaging 3 - 34 - B4B	
					Packaging 3 - 35 - B4B	
					Packaging 3 - 36 - B4B	
135	DC - 1 - B4B	1 pcs	2/1/19	0.00 0.00	DC - 1 - B4B	
					DC - 2 - B4B	
140	QC 21 - FG	1 pcs	2/1/19	0.00 0.00	QC 21 - FG - 21	
					QC 21 - FG - 70	
Part Op 110 - Pick Kit						
Descriptions: 120 - QC4- 100% Inspect kits for completeness						
130 - Identify and pack for shipping as per PPP D139-799-015 PPP rev: _____						
135 - Document Control - Photocopy bluefile & type labels per PPP D139-799-015 CHG006						
140 - QC21- Final Inspection - Work Order Release						

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
AN3C3A	Bolt	4 Ea (4 ea)	110-Packaging 1 - Pick Kit	5142490
AN3C5A	Bolt	3 Ea (3 ea)	110-Packaging 1 - Pick Kit	5082908
AN526-1032R16	Screw	4 Ea (4 ea)	110-Packaging 1 - Pick Kit	5118341
AN832-6J	Union	2 pcs (2 ea)	110-Packaging 1 - Pick Kit	5143542
AN924-6J	Nut	4 Ea (4 ea)	110-Packaging 1 - Pick Kit	5153458
CB2000CRA3-28	Stud	3 Ea (3 ea)	110-Packaging 1 - Pick Kit	5131262
CB4022V3CR8	Anchor Nut	3 Ea (3 ea)	110-Packaging 1 - Pick Kit	5093561X1 514506X2
CB91	Acrylic Adhesive, 3.5G	2 pcs (2 ea)	110-Packaging 1 - Pick Kit	5140454
D4121-1	Hose Assembly	2 pcs (2 ea)	110-Packaging 1 - Pick Kit	5124018
D4121-3	Hose Assembly	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5124019
D4121-5	Hose Assembly	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5124021
D4131-041	Manifold Assembly	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5148934
D4131-043	Doubler Assembly	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5145342
D4146-1	Fitting	2 pcs (2 ea)	110-Packaging 1 - Pick Kit	5143194
D4182-1	Fitting, Quick Disconnect	2 pcs (2 ea)	110-Packaging 1 - Pick Kit	5128865
D4384-1	Placard	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	51403A
MS21043-3	Nut	10 Ea (10 ea)	110-Packaging 1 - Pick Kit	5149141
MS21919-WDG9	Clamp	9 Ea (9 ea)	110-Packaging 1 - Pick Kit	5110006
MS21919WCH16	Clamp	2 Ea (2 ea)	110-Packaging 1 - Pick Kit	5155366
MS21919WCH4	Clamp	2 Ea (2 ea)	110-Packaging 1 - Pick Kit	5106946
MS21919WCH9	Clamp	4 Ea (4 ea)	110-Packaging 1 - Pick Kit	5177779 5122521
NAS1149C0316R	Washer	6 Ea (6 ea)	110-Packaging 1 - Pick Kit	6M136511
NAS1149C0332R	Washer	8 Ea (8 ea)	110-Packaging 1 - Pick Kit	5104354
NAS1149C0932R	Washer	4 Ea (4 ea)	110-Packaging 1 - Pick Kit	5056031
NAS43DD3-80N	Spacer	3 Ea (3 ea)	110-Packaging 1 - Pick Kit	5100208

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
110-Packaging 1 - Pick Kit	AN3C3A	4	400	0
	AN3C5A	3	1,119	0
	AN526-1032R16	4	77	0
	AN832-6J	2	22	0
	AN924-6J	4	8	0
	CB2000CRA3-28	3	54	0
	CB4022V3CR8	3	25	0
	CB91	2	31	0
	D4121-1	2	17	0
	D4121-3	1	10	0
	D4121-5	1	10	0
	D4131-041	1	6	0
	D4131-043	1	13	0
	D4146-1	2	12	0
	D4182-1	2	22	0
	D4384-1	1	8	0
	MS21043-3	10	1,464	0
	MS21919-WDG9	9	118	0
	MS21919WCH16	2	10	0
	MS21919WCH4	2	30	0
	MS21919WCH9	4	40	0
	NAS1149C0316R	6	187	0
	NAS1149C0332R	8	5,179	0
	NAS1149C0932R	4	117	0
	NAS43DD3-80N	3	81	0

Part Specifications

Specifications could not be found.



Dart Aerospace Ltd.
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Container No: S158066



Part: D139-799-015

Job No: 188537

Serial No/Batch: S158066

Revision: 0

Inspector:

Exp Date:

Instructions: FAA STC SR02138SE 18/04/17/01/19 STC LoA C.



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Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	1 Ea	2/1/19	2/1/19	0.00	0.00	Start Up Stores/Pkg-1		
110	Packaging	1 pcs	2/1/19	2/1/19	0.00	0.00	Packaging1-1		
120	QC	1 pcs	2/1/19	2/1/19	0.00	0.00	QC4		
130	Packaging	1 pcs	2/1/19	2/1/19	0.00	0.00	Packaging3-1		
135	DC	1 pcs	2/1/19	2/1/19	0.00	0.00	DC		
140	QC21-FG	1 Ea	2/1/19	2/1/19	0.00	0.00	QC21		

Part Op 130 - Identify and pack for shipping as per PPP D139-799-015 PPP rev: _____
Descriptions: 135 - Photocopy bluefile & type labels per PPP D139-799-015 CHG006

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
AN3C3A	Bolt	4 Ea (4 ea)	90-Start up Operation	
AN3C5A	Bolt	3 Ea (3 ea)	90-Start up Operation	
AN526-1032R16	Screw	4 Ea (4 ea)	90-Start up Operation	
AN832-6J	Union	2 pcs (2 ea)	90-Start up Operation	
AN924-6J	Nut	4 Ea (4 ea)	90-Start up Operation	
CB2000CRA3-28	Stud	3 Ea (3 ea)	90-Start up Operation	
CB4022V3CR8	Anchor Nut	3 Ea (3 ea)	90-Start up Operation	
CB91	Acrylic Adhesive, 3.5G	2 pcs (2 ea)	90-Start up Operation	
D4121-1	Hose Assembly	2 pcs (2 ea)	90-Start up Operation	
D4121-3	Hose Assembly	1 pcs (1 ea)	90-Start up Operation	
D4121-5	Hose Assembly	1 pcs (1 ea)	90-Start up Operation	
D4131-041	Manifold Assembly	1 pcs (1 ea)	90-Start up Operation	
D4131-043	Doubler Assembly	1 pcs (1 ea)	90-Start up Operation	
D4146-1	Fitting	2 pcs (2 ea)	90-Start up Operation	
D4182-1	Fitting, Quick Disconnect	2 pcs (2 ea)	90-Start up Operation	
D4384-1	Placard	1 pcs (1 ea)	90-Start up Operation	
MS21043-3	Nut	10 Ea (10 ea)	90-Start up Operation	
MS21919-WDG9	Clamp	9 Ea (9 ea)	90-Start up Operation	
MS21919WCH16	Clamp	2 Ea (2 ea)	90-Start up Operation	
MS21919WCH4	Clamp	2 Ea (2 ea)	90-Start up Operation	
MS21919WCH9	Clamp	4 Ea (4 ea)	90-Start up Operation	

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval	
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabelled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐				
		OTHER : ☐							

NAS1149C0316R	Washer	6 Ea (6 ea)	90-Start up Operation
NAS1149C0332R	Washer	8 Ea (8 ea)	90-Start up Operation
NAS1149C0932R	Washer	4 Ea (4 ea)	90-Start up Operation
NAS43DD3-80N	Spacer	3 Ea (3 ea)	90-Start up Operation

Pm136577
 5709354
 5056031
 5100228

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	AN3C3A	4	88	0
	AN3C5A	3	1,215	0
	AN526-1032R16	4	77	0
	AN832-6J	2	12	0
	AN924-6J	4	4	0
	CB2000CRA3-28	3	54	0
	CB4022V3CR8	3	15	0
	CB91	2	31	0
	D4121-1	2	17	0
	D4121-3	1	11	0
	D4121-5	1	11	0
	D4131-041	1	0	0
	D4131-043	1	3	0
	D4146-1	2	12	0
	D4182-1	2	12	0
	D4384-1	1	8	0
	MS21043-3	10	880	0
	MS21919-WDG9	9	118	0
	MS21919WCH16	2	10	0
	MS21919WCH4	2	30	0
	MS21919WCH9	4	20	0
	NAS1149C0316R	6	187	0
	NAS1149C0332R	8	3,916	0
	NAS1149C0932R	4	117	0
	NAS43DD3-80N	3	81	0

Part Specifications

Specifications could not be found.

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
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Qty -015	Part Number	Description
X	D139-799-015	ENGINE WASH KIT
2	D4121-1	HOSE ASSEMBLY
1	D4121-3	HOSE ASSEMBLY
1	D4121-5	HOSE ASSEMBLY
1	D4131-041	MANIFOLD ASSEMBLY
1	D4131-043	DOUBLER ASSEMBLY
2	D4146-1	FITTING
2	D4182-1	FITTING, QUICK DISCONNECT
1	D4384-1	PLACARD
3	AN3C5A	BOLT (or NAS6603-4)
4	AN3C3A	BOLT
4	AN526-1032R16	SCREW
2	AN832-6J	UNION (or AN837-6J)
4	AN924-6J	NUT
10	MS21043-3	NUT
4	NAS1149C0932R	WASHER (or AN960C916L)
8	NAS1149C0332R	WASHER (or AN960C10L)
6	NAS1149C0316R	WASHER (or AN960C10LL)
3	NAS43DD3-80N	SPACER
9	MS21919WDG09	CLAMP (or AS21919WDG09)
2	MS21919WCH4	CLAMP (or AS21919W CH4)
4	MS21919WCH9	CLAMP (or AS21919W CH9)
2	MS21919WCH16	CLAMP (or AS21919W CH16)
3	CB2000CRA3-28	STUD (or A366A3E30C)
3	CB4022V3CR8	ANCHOR NUT (or AW001TL3A08)
2	CB91	3.5g ACRYLIC ADHESIVE KIT